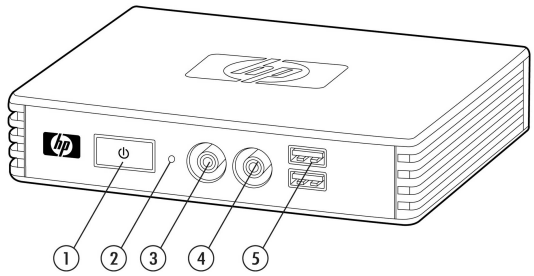
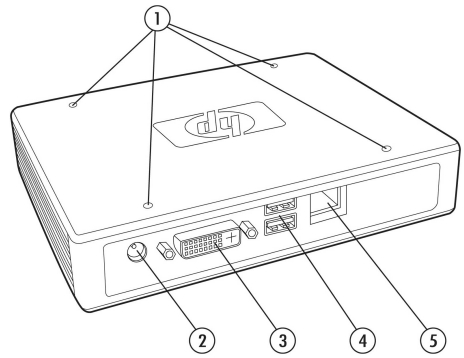
Overview



Front

1. Power button with LED
2. Flash storage activity indicator
3. Audio connector (mic in)
4. Audio connector (headphone out)
5. USB 2.0 connectors (two)



Back

1. VESA standard mounting holes (four)
2. +12V DC power input
3. DVI display connector (DVI to VGA adapter incl.)
4. USB 2.0 connectors (two)
5. 10/100 Ethernet RJ-45 connector

At A Glance

- HP ThinPro operating system
- Marvell ARM 1.2 GHz CPU
- 512 MB System memory
- 64 MB dedicated video RAM
- 512 MB Flash memory
- ENERGY STAR® qualified
- Includes four USB 2.0 ports (two in back, two in front)
- MIC in and headphone out ports in front
- Basic multimedia and USB redirection support
  - HP RDP Multimedia and USB Redirection software*
  - Citrix HDX MediaStream and Plug-n-Play*
- IceWeasel 3 (Firefox) web browser with Java and PDF viewer
- HP configuration wizard to guide administrators through setup and deployment, reducing the need for lengthy documentation
- Built-in ThinState wizard to capture and restore a configuration profile or a fully configured image
- Built-in ezUpdate utility delivers automatic image updates, low bandwidth add-ons (modular software updates) and configuration changes via FTP either in a secure stateless mode or highly reliable persistent mode (recommended)
- HP Device Manager support for single console visibility and administrative control of all HP thin client assets
- HP Total Care Warranty and Services: limited three-year hardware warranty in most regions. HP Care Pack Services extend service contracts which go beyond your standard warranties. For more details visit: www.hp.com/go/lookuptool

*Low resolution, speaker window size, single session support

Models and Options

VY623AA#xxx VY623AT#xxx (SmartBuy or Promo)	**Model Name**	HP t5325 Thin Client
	Processor	Marvell ARM, 1.2 GHz
	Flash	512 MB
	System Memory	512 MB (64 MB reserved for video)
	Operating System	HP ThinPro
	Keyboard	USB
	Mouse	USB
	Side Panels	Standard 100 mm VESA mounting holes

	NOTE: Optional accessories are available as separate purchase[1].	Part Number
Accessories	HP Quick Release Kit	EM870AA
	HP Integrated Work Center Stand	GN783AA
	External Power Supply	36 Watt
Third-party Communications	HP Neoware NA USB Wireless Adapter[1] (US only; not certified for use in Latin America or Canada) (Asia/Pacific: Taiwan, Australia, Malaysia, Singapore, Indonesia, Philippines) Security: WEP except 256-bit, WPA and WPA2 only	AK256AA
	HP Neoware EMEA USB Wireless Adapter[1] (EMEA; not certified for use in Russia or Belarus) Security: WEP except 256-bit, WPA and WPA2 only	AK257AA
Touch Screen Monitors	ELO Touch 1529L Flat Panel[2]	E926109
	HP L5006tm LCD Touchscreen	RB146AA
Security	HP USB Smartcard Keyboard	ED707AA
	SCM USB Smart Card Reader SCR331[3]	904054
	HP/Kensington Cable Lock	PC766A
Input Devices	HP USB Standard Keyboard	DT528A
	HP USB Smartcard Keyboard	ED707AA
	HP USB 2-Button Optical Scroll Mouse	DC172B

Models and Options

Care Pack Services[4]	9x5 Next-Business-Day Advanced Exchange – 3 Years
	9x5 Next-Business-Day On-Site Coverage – 3 Years

[1] The warranties for HP branded products are set forth in the express limited warranty statements accompanying such products. Although third-party products may work effectively on HP thin clients, these third-party products are provided "AS IS." HP does not support or warrant third-party products, including the interoperability of such products with HP thin clients. However, third-party manufacturers and vendors may provide their own warranties and support directly to you. Please contact the manufacturers or vendors for hardware or software support on their products.

[2] This is a third-party product. Product, warranty and support available directly from third-party vendor.

[3] Wireless access point and Internet service sold separately. Roaming not supported. See Administrator's Guide for supported wireless features. Not certified in Korea, Malaysia, New Zealand, Pakistan, or Taiwan.

[4] Service levels and response times for HP Care Pack Services may vary depending on your geographic location. Service starts from date of hardware purchase. Restrictions and limitations apply. HP Care Pack Services extend service contracts beyond the standard warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at www.hp.com/go/lookuptool. Additional HP Care Pack Services information by product is available at: www.hp.com/hps/carepack.

Technical Specifications

Processor	Marvell ARM processor with integrated graphics	
Memory	Flash	128 MB
	System Memory	512 MB (64 MB reserved for video)
Graphics	Marvell ARM processor with integrated graphics Supports high-resolution monitors up to 1680 x 1050 at 16 bit color depth and up to 1440 x 900 at 24 bit color depth NOTE: The resolutions your monitor displays supported in ICA, RDP or locally may vary. The graphics controller supports these resolutions:	
	Resolutions	640x480, 800x480, 800 x 600, 1024 x 768, 1152 x 864 (up to 24 bit color depth) 1280 x 720, 1280 x 768, 1280 x 800, 1280 x 960,1280 x 1024 (up to 24 bit color depth) 1366 x 768, 1368 x 768 (up to 24 bit color depth) 1400 x 1050,1440 x 900 (up to 24 bit color depth) 1600 x 1200, 1680 x 1050 (up to 16 bit color depth)
Input/Output/ Peripheral Support	Keyboard	USB keyboard
	Mouse	USB mouse
	Printer	Local and/or network printers (RDP, ICA, LPD)
	Video	DVI-I digital video output (DVI to VGA adapter included)
Audio	Output	Internal amplified speaker, 1/8-inch mini-jack, 24-bit stereo, 192-kHz sample rate
	Input	1/8-inch microphone mini-jack, 20-bit stereo, 96-kHz sample rate
Hardware Security	Security lock slot (cable lock sold separately)	
Server Based Computing Protocols	Citrix ICA RDP	
Networking	10/100 Ethernet (RJ-45) TCP/IP and DHCP support Wake on LAN	
I/O ports and connectors	4 USB 2.0 ports, 1 RJ45, 1 DVI-I (DVI to VGA adapter Incl.), 1 headphone, 1 microphone	
Resident Operating System	HP ThinPro	
OS Languages	English, French, German, Spanish, Japanese, Simplified Chinese	
Software Included	Local Software Components	HP ThinPro Citrix ICA 11 RDesktop 1.6 IceWeasel 3 (Firefox) web browser with Java and PDF viewer
	Security	Support for Stateless Security Mode (not enabled by default) and locked file system
	Session Allocation Managers/Session Brokers	Citrix XenDesktop via PNagent Full screen Citrix Desktop Appliance (CDA) mode VMware View Manager 3.1 Leostream Desktop Connection Broker vWorkspace 6 (Quest)

Technical Specifications

	Basic Multimedia & USB Redirection	HP RDP Enhancements (multimedia & USB redirection)* Citrix HDX MediaStream (multimedia redirection) * Citrix HDX Plug-n-Play (USB redirection) * Low resolution, speaker window size, single session support
	Management	HP Device Manager support HP ezUpdate support for automatic software deployment HP ThinState to capture master image & port to USB or ezUpdate VNC shadowing
Dimensions H x W x D	4.72 x 6.3 x 1.24 in. (120 x 160 x 31.5 mm)	
Weight (approximate)	4.67 lbs. (2.12 kg) Shipping Weight	
Power*	Operating voltage range	100-240 VAC
	Rated line frequency	50-60 Hz
	Power output (max)	36W
	Rated output current (max)	3A
	Output voltage	+12V DC
Environmental	Operating temperature range	50° to 95° F (10° to 35° C)
	Non-operating temperature range	-22° to 140° F (-30 to 60° C)
	Humidity (non-condensing)	10% to 90% operating/5% to 95% non-operating
Regulatory Compliance	Product Safety	International: IEC60950-1, 12:2005, with CB Certificate and all National Deviations US and Canada: UL 60950-1 / CAN/CSA 22.2 No. 60950-1-03, 07:2006, Bi-National Standard for ITE Safety in the US and Canada and is published jointly by UL and CSA. Europe: EN 60950-1, 06:2003, Information Technology Equipment
	Ergonomics	The product has been tested and found to comply with all applicable GS ergonomic requirements.
	RF Interference	FCC Class B, CE Mark, VCCI
Warranty	Three-year limited hardware warranty. NOTE: Certain restrictions apply. Consult the HP Customer Support Center for details.	

Technical Specifications – Environmental Data

Eco-Label Certifications & declarations

This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks:

- ENERGY STAR® Category A

Additional Compliance

This product is in compliance with:

- Restrictions of Hazardous Substances (RoHS) directive – 2002/95/EC.
- Waste Electrical and Electronic Equipment (WEEE) Directive – 2002/96/EC.

Energy Consumption

	115 VAC	230 VAC	100 VAC
Idle State:	7.22–7.69	7.59–7.94	7.21–7.49
Off Mode:	0.25–0.27	0.52–0.54	0.23–0.25

NOTE: This product is in compliance with US executive order 13221, WOL (wake on LAN) disabled.
NOTE: The actual power consumption at your location could vary and is dependent on many factors including but not limited to software load on the thin client, attached peripherals, and environmental factors.

Heat Dissipation BTU

	115 VAC	230 VAC	100 VAC
Idle State:	26.3	27.2	25.7
Off Mode:	0.93	1.85	0

NOTE: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.

Batteries

This product complies with ISO standards:

- EU Directive 91/ 157/ EEC
- EU Directive 93/ 86/ EEC
- EU Directive 98/ 101/ EEC

Batteries used in the product do not contain:

- Mercury greater the 5ppm by weight
- Cadmium greater than 10ppm by weight
- Lead greater than 4000ppm by weight.

Battery size: CR2032 (coin cell)
Battery type: Lithium

Recycled material

Product

- 91% recycled system materials (by weight including thin client, power supply, keyboard and mouse)
- 94.4% recycled thin client materials (by weight including stand-alone thin client device)

Packaging

- The EPE foam packaging material contains 6.25% (by weight) post-consumer recycled content.
- The corrugated paper packaging materials contains at least 93.75% (by weight) post-consumer recycled content.
- The packaging for this product is 26.06% (by weight) recyclable when disposed of properly.

Technical Specifications – Environmental Data

RoHS Compliance

Hewlett-Packard is committed to compliance with all applicable environmental laws and regulations, including the European Union Restriction of Hazardous Substances (RoHS) Directive. HP's goal is to exceed compliance obligations by meeting the requirements of the RoHS Directive on a worldwide basis.

Material Usage

This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at: http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.html):

- Asbestos
- Certain Azo Colorants
- Certain Brominated Flame Retardants - may not be used as flame retardants in plastics
- Cadmium
- Chlorinated Hydrocarbons
- Chlorinated Paraffins
- Formaldehyde
- Halogenated Diphenyl Methanes
- Lead carbonates and sulfates
- Lead and Lead compounds
- Mercuric Oxide Batteries
- Nickel - finishes must not be used on the external surface designed to be frequently handled or carried by the user.
- Ozone Depleting Substances
- Polybrominated Biphenyls (PBBs)
- Polybrominated Biphenyl Ethers (PBBEs)
- Polybrominated Biphenyl Oxides (PBBOs)
- Polychlorinated Biphenyl (PCB)
- Polychlorinated Terphenyls (PCT)
- Polyvinyl Chloride (PVC) - except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.
- Radioactive Substances
- Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)

Packaging

HP follows these guidelines to decrease the environmental impact of product packaging:

- Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.
- Eliminate the use of ozone-depleting substances (ODS) in packaging materials.
- Design packaging materials for ease of disassembly.
- Maximize the use of post-consumer recycled content materials in packaging materials.
- Use readily recyclable packaging materials such as paper and corrugated materials.
- Reduce size and weight of packages to improve transportation fuel efficiency.
- Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.

End-of-life Management and Recycling

Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: http://www.hp.com/go/reuse-recycle or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: http://www.hp.com/go/recyclers. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

Hewlett-Packard

For more information about HP's commitment to the environment:

Technical Specifications – Environmental Data

Corporate Environmental Information	Global Citizenship Report http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html Eco-label certifications http://www.hp.com/hpinfo/globalcitizenship/environment/productdesign/ecolabels.html ISO 14001 certificates: http://www.hp.com/hpinfo/globalcitizenship/environment/operations/envmanagement.html

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